Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/14/2020 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124921	-1	2.98	124998	2.95
Blue	F	SSC	125000	124094	-1	1.62	124877	1.62
Blue	E	FITC	15892	15375	-4	2.79	335	20.81
Blue	D	PE	29999	29342	-3	1.98	641	14.96
Blue	B	PerCP-Cy5-5	43732	43696	-1	3.67	1174	20.60
Blue	A	PE-Cy7	30845	30330	-2	6.13	583	41.45
Red	C	APC	46112	45462	-2	2.39	1606	12.08
Red	A	APC-Cy7	30458	29423	-4	2.30	780	11.98
Violet	B	V450	7918	7475	-6	4.62	418	13.58
Violet	A	V500	32171	30788	-5	4.37	716	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17220	17.14	622	1	N/A	N/A	Pass
Blue	F	SSC	56366	1.21	561	2	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0189	173	Pass
Blue	D	PE	133	50.51	549	1	0.1563	266	Pass
Blue	B	PerCP-Cy5-5	213	52.15	659	3	0.0089	96	Pass
Blue	A	PE-Cy7	105	102.96	700	2	0.0104	12	Pass
Red	C	APC	383	24.86	588	4	0.0243	113	Pass
Red	A	APC-Cy7	171	28.83	559	3	0.0055	913	Pass
Violet	B	V450	63	63.19	458	0	0.0508	2250	Pass
Violet	A	V500	107	37.06	475	1	0.0225	1198	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/14/2020 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.91	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.13	13.60 - 20.40	N/A	N/A	29.42	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments